

Message Text

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TAGS: TSPA, UR

SUBJECT: SPACE AGREEMENT: SPACE BIOLOGY AND MEDICINE

----- (04.05.03) -

FOR SCICOUN

1. PLEASE PASS THE FOLLOWING MESSAGE FROM DR. DAVID WINTER, US CO-CHAIRMAN WORKING GROUP ON SPACE BIOLOGY AND MEDICINE, TO PROFESSOR OLEG GAZENKO, INSTITUTE OF BIO-MEDICAL PROBLEMS.

2. "FOLLOWING IS INFORMATION REQUESTED REGARDING US PRE-SENTATIONS AT MEETING ON COSMOS-782 FINAL RESULTS.

FOUR PAPERS BY R. SIMMONDS EACH TITLED "RESPONSES OF CROWN GALL TISSUE TO THE SPACE ENVIRONMENT" AND SUBTITLED: "TUMOR DEVELOPMENT AND ANATOMY;" "RESIDUAL CARBOHYDRATES IN SUP-PORTING TISSUE;" "GLUTAMINE SYNTHETASE ACTIVITY;" "ISOZYME PATTERNS." (45 MINUTES TOTAL).

F. STEWARD: "THE MORPHOGENETIC RESPONSES OF CULTURED

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TOTIPOTENT CELLS OF CARROT (DAUCUS CAROTA L.) AT ZERO

GRAVITY." (40-45 MINUTES).

D. PETERSON: "HZE-PARTICLE DOSIMETRY: EXPERIMENT K103 FOR KOSMOS-782." (30 MINUTES).

J. VERNIKOS-DANELIS: "ABSENCE OF GASTRIC ULCERATION IN RATS AFTER FLIGHT ON THE KOSMOS 782 BIOLOGICAL SATELLITE." (10-15 MINUTES).

THREE PAPERS BY E. HOLTON: "EFFECT OF SPACE FLIGHT ON CELL-MEDIATED IMMUNITY;" "KOSMOS 782, EXPERIMENT K002: SUPPLEMENTARY REPORT--RESULTS OF HISTOLOGICAL EXAMINATION OF INGUINAL LYMPH NODES;" "ALTERATION IN ERYTHROCYTE SURVIVAL PARAMETERS IN RATS AFTER 19.5 DAYS ABOARD KOSMOS-782." (FIRST TWO PAPERS 30 MINUTES TOTAL; LAST 30-40 MINUTES). - - -

THREE PAPERS BY J. VERNIKOS-DANELIS: "EFFECTS OF SPACE-FLIGHT ON PLASMA AND GLANDULAR CONCENTRATIONS OF PITUITARY HORMONES;" (IN TWO PARTS); "HISTOLOGICAL STUDIES ON TIBIAL BONE: PART 1. ENDOCHONDRIAL OSTEOGENESIS: MEDULLARY BONE TURNOVER," "PART 2. MICRORADIOGRAPHIC STUDY OF CORTICAL BONE." (FIRST PAPER 30-40 MINUTES; LAST TWO 30 MINUTES TOTAL).

E. HOLTON: "QUANTITATIVE ANALYSIS OF SELECTED BONE PARAMETERS." (30-40 MINUTES).

THREE PAPERS BY R. SIMMONDS: "EXPERIMENT K007: COSMIC RAY EFFECTS ON THE EYES OF RATS FLOWN ON KOSMOS 782;" "EFFECTS OF WEIGHTLESSNESS ON THE EMBRYONIC DEVELOPMENT

AND AGING OF DROSOPHILA;" "FINAL REPORT KOSMOS 782 FUNDULUS EXPERIMENT." (FIRST PAPER 15-20 MINUTES; SECOND 20-30 MINUTES; THIRD 10-15 MINUTES). KISSINGER

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